

What we claim is:

1. A printed circuit board design system for generating a 3D model of a printed circuit board which mounts a component on a printed board and for performing, with a three-dimensional CAD system, a
5 mounting design including a cabinet comprising:

a converter for converting the printed circuit board into one or more models based on attributes preliminarily added to the component.

2. The printed circuit board design system as claimed in claim 1
10 wherein when the attribute is a mounting side, the converter converts the printed board and a component mounted on an L1 side into an L1 side portion model, and converts the printed board and a component mounted on an Ln side into an Ln side portion model.

3. The printed circuit board design system as claimed in claim 1
15 wherein when the attribute is at least one of an arrangement and a fixation, the converter converts the component which is not arranged on the printed circuit board into an unarranged component model, and converts the component which is not fixed into a nonfixed component model.

4. The printed circuit board design system as claimed in claim 1
20 wherein the converter converts the printed board and the component into a library model related to the attribute.

5. The printed circuit board design system as claimed in claim 1
25 wherein the converter converts the component into either a pseudo shape model or a detailed shape model.